

Amendments to the Claims

Please replace all prior versions and listings of claims with the following listing of claims.

LISTING OF CLAIMS:

1. *(Currently Amended)* A system for monitoring performance of the one or more processes and one or more database calls each associated with a particular one of the processes comprising:

an application server comprising one or more applications, each application comprising one or more processes operable to generate one or more database calls;

an analyzer component operable to:

correlate in substantially continuously real time a first database call and a second database call generated by one of the processes with a particular process call;

monitor one or more parameters associated with the first database call;

monitor one or more parameters associated with the second database call;

analyze the one or more parameters of the first database call and the second database call;

monitor substantially continuously the one or more parameters associated with the first database call and the second database call; and

display to a client:

a first identifier of the first database call;

a second identifier of the process that generated the first database call;

and

one or more of the one or more parameters associated with the first database call.

2. (*Previously Presented*) The system of Claim 1, wherein the analyzer component is further operable to:

identify one or more of the parameters included in the first database call;
identify one or more process parameters associated with the particular process;

and

determine whether the database call correlates with the process by comparing at least one of the parameters associated with the first database call to at least one corresponding process parameter associated with the process to determine if the process generated the first database call.

3. (*Previously Presented*) The system of Claim 2, further comprising an interceptor component operable to:

intercept the first database call generated by the process; and
communicate the one or more parameters associated with the first database call to the analyzer component.

4. (*Previously Presented*) The system of Claim 2, further comprising an insider component operable to:

intercept the particular process; and
communicate the one or more process parameters associated with the process to the analyzer component.

5. (*Previously Presented*) The system of Claim 4, wherein each of the one or more processes comprises a Java method and the insider component is operable to communicate process parameters for each Java method in a Java method call tree to the analyzer component.

6. *(Previously Presented)* The system of Claim 2, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more parameters associated with the particular SQL call comprise:
 - a SQL statement of the particular SQL call;
 - a SQL execution time for the particular SQL call;
 - one or more SQL exceptions of the particular SQL call; and
 - a timestamp and a thread of execution for the particular SQL call.
7. *(Previously Presented)* The system of Claim 6, wherein, for a particular process, the one or more process parameters associated with the particular process comprise a timestamp and a thread of execution for the particular process.
8. *(Previously Presented)* The system of Claim 7, wherein the analyzer component is further operable to:
 - compare the timestamp and the thread of execution for the SQL call to a corresponding timestamp and the thread of execution for the process to determine whether the process generated the SQL call; and
 - if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the process, conclude that the method generated the SQL call.
9. *(Previously Presented)* The system of Claim 2, wherein the analyzer component substantially continuously receives parameters associated with database calls and parameters associated with processes, the analyzer operable to substantially continuously determine for each received database call the process that generated the received database call such that the analyzer component displays first identifiers of database calls and second identifiers of the processes that generated the database calls to the client in substantially real time.

10. *(Previously Presented)* The system of Claim 1, wherein the analyzer component is further operable to:
 - collect the one or more parameters from the first and second database calls; and
 - display an alert notification to the client if one of the parameters associated with the first or second database calls exceeds a predetermined threshold value.
11. *(Previously Presented)* The system of Claim 1, wherein the analyzer component is further operable to display a management console to the client on a browser associated with the client, the management console presenting a view of the displayed information.
12. *(Previously Presented)* The system of Claim 11, wherein the management console is operable to:
 - display multiple second identifiers of processes as a method call tree; and
 - for a selected second identifier of a process in the method call tree, display:
 - a first identifier of a database call for each database call determined by the analyzer component to correlate to the particular process associated with the selected second identifier; and
 - at least one of the parameters for each database call determined to correlate to the process associated with the selected second identifier.
13. *(Currently Amended)* A method for monitoring performance of one or more processes and one or more database calls each associated with a particular one of the processes, comprising:
 - correlating in substantially continuously real time a first database call and a second database call generated by one of the processes with the particular process that generated the database call;
 - monitoring one or more parameters associated with the first database call;
 - monitoring one or more parameters associated with the second database call;

analyzing the one or more parameters of the first database call and the second database call;

monitoring substantially continuously the one or more parameters associated with the first database call and the second database call; and

displaying to a client:

a first identifier of the first database call;

a second identifier of the process that generated the first database call;

and

one or more of the one or more parameters associated with the first database call.

14. (*Previously Presented*) The method of Claim 13, further comprising:

identifying one or more of the parameters included in the first database call;

identifying one or more process parameters associated with a process;

determining whether the database call correlates with the process by comparing at least one of the parameters associated with the first database call to at least one corresponding process parameter associated with the process to determine if the process generated the first database call.

15. (*Previously Presented*) The method of Claim 14, further comprising identifying the one or more of the parameters included in the first database call from an interceptor that intercepted the first database call generated by the process.

16. (*Previously Presented*) The method of Claim 14, further comprising identifying the one or more process parameters associated with the particular process from an insider component that intercepted the process.

17. *(Previously Presented)* The method of Claim 16, wherein each of the one or more processes comprises a Java method; the method further comprising receiving process parameters for each Java method in a Java method call tree from the insider component.
18. *(Previously Presented)* The method of Claim 14, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more parameters associated with the particular SQL call comprise:
 - a SQL statement of the particular SQL call;
 - a SQL execution time for the particular SQL call;
 - one or more SQL exceptions of the particular SQL call; and
 - a timestamp and a thread of execution for the particular SQL call.
19. *(Previously Presented)* The method of Claim 18, wherein, for a particular process, the one or more process parameters associated with the particular process comprise a timestamp and a thread of execution for the particular process.
20. *(Previously Presented)* The method of Claim 19, further comprising:
 - comparing the timestamp and the thread of execution for the SQL call to a corresponding timestamp and the thread of execution for the process to determine whether the process generated the SQL call; and
 - if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the process, concluding that the process generated the SQL call.
21. *(Previously Presented)* The method of Claim 14, comprising:
 - substantially continuously receiving parameters associated with database calls and parameters associated with processes;
 - substantially continuously determining for each received database call the process that generated the received database call such that first identifiers of database

calls and second identifiers of the processes that generated the database calls are displayed to the client in substantially real time.

22. (*Previously Presented*) The method of Claim 13, further comprising:
collecting the one or more parameters from the first and second database calls;
and

displaying an alert notification to the client if one of the parameters associated with the first or second database calls exceeds a predetermined threshold value.

23. (*Previously Presented*) The method of Claim 13, further comprising displaying a management console to the client on a browser associated with the client, the management console presenting a view of the displayed information.

24. (*Previously Presented*) The method of Claim 23, further comprising:
displaying multiple second identifiers of processes as a process call tree; and
for a selected second identifier of a method in the process call tree, displaying:
a first identifier of a database call for each database call determined by the analyzer component to correlate to the particular process associated with the selected second identifier; and
at least one of the parameters for each database call determined to correlate to the process associated with the selected second identifier.

25. (*Currently Amended*) Software for monitoring performance of one or more processes and one or more database calls each associated with a particular one of the processes, the software embodied in computer-readable media and when executed operable to:

correlate in substantially continuously real time a first database call and a second database call generated by one of the processes with the particular process that generated the database call;

monitor one or more parameters associated with the first database call;

monitor one or more parameters associated with the second database call;
analyze the one or more parameters of the first database call and the second
database call;

monitor substantially continuously the one or more parameters associated with
the first database call and the second database call; and

display to a client:

a first identifier of the first database call;
a second identifier of the process that generated the first database call;

and

one or more of the one or more parameters associated with the first
database call.

26. (*Previously Presented*) The software of Claim 25, further operable to:

identify one or more of the parameters included in the first database call;

identify one or more process parameters associated with the particular
process;

determine whether the database call correlates with the process by comparing at
least one of the parameters associated with the first database call to at least one
corresponding process parameter associated with the process to determine if the
process generated the first database call.

27. (*Previously Presented*) The software of Claim 26, further operable to receive the
one or more first parameters associated with the first database call from an interceptor
that intercepted the first database call generated by the process.

28. (*Previously Presented*) The software of Claim 26, further operable to receive the
one or more second parameters associated with the process from an insider
component that intercepted the process.

29. (*Previously Presented*) The software of Claim 28, wherein each of the one or more processes comprises a Java method; the method further operable to receive process parameters for each Java method in a Java method call tree from the insider component.
30. (*Previously Presented*) The software of Claim 26, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more parameters associated with the particular SQL call comprise:
 - a SQL statement of the particular SQL call;
 - a SQL execution time for the particular SQL call;
 - one or more SQL exceptions of the particular SQL call; and
 - a timestamp and a thread of execution for the particular SQL call.
31. (*Previously Presented*) The software of Claim 30, wherein, for a particular process, the one or more processes parameters associated with the particular process comprise a timestamp and a thread of execution for the particular process.
32. (*Previously Presented*) The software of Claim 31, further operable to:
 - compare the timestamp and the thread of execution for the SQL call to a corresponding timestamp and the thread of execution for the process to determine whether the process generated the SQL call; and
 - if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the process, conclude that the process generated the SQL call.
33. (*Previously Presented*) The software of Claim 26, operable to:
 - substantially continuously receive parameters associated with database calls and parameters associated with processes;
 - substantially continuously determine for each received database call the process that generated the received database call such that first identifiers of database calls

and second identifiers of the processes that generated the database calls are displayed to the client in substantially real time.

34. *(Previously Presented)* The software of Claim 25, further operable to:
 - collect the one or more parameters from the first and the second database calls; and
 - display an alert notification to the client if one of the parameters associated with the first or second database calls exceeds a predetermined threshold value.
35. *(Previously Presented)* The software of Claim 25, further operable to display a management console to the client on a browser associated with the client, the management console presenting a view of the displayed information.
36. *(Previously Presented)* The software of Claim 35, further operable to:
 - display multiple second identifiers of processes as a method call tree; and
 - for a selected second identifier of a process in the method call tree, display:
 - a first identifier of a database call for each database call determined by the analyzer component to correlate to the particular process associated with the selected second identifier; and
 - at least one of the parameters for each database call determined to correlate to the process associated with the selected second identifier.
37. *(Currently Amended)* A system for monitoring performance of one or more processes and one or more database calls each associated with a particular one of the processes, comprising:
 - means for correlating in substantially continuously real time a first database call and a second database call generated by one of the processes with the particular process that generated the database call;
 - means for monitoring one or more parameters associated with the first database call;

means for monitoring one or more parameters associated with the second database call;

means for analyzing the one or more parameters of the first database call and the second database call;

means for monitoring substantially and continuously the one or more parameters associated with the first database call and the second database call; and

means for displaying to a client:

a first identifier of the first database call;

a second identifier of the process that generated the first database call;

and

one or more of the one or more parameters associated with the first database call.

38. (*Currently Amended*) A system for monitoring performance of one or more methods and one or more database calls each associated with at least one method, comprising:

an application server comprising one or more applications, each application comprising one or more object-oriented methods operable to generate one or more database calls to one or more databases associated with the application server;

an analyzer component operable to:

receive one or more first parameters associated with a database call;

receive one or more second parameters associated with one of the object-oriented methods;

determine whether the database call correlates with the particular method in substantially continuously real time by comparing at least one of the first parameters associated with the database call to at least one corresponding second parameter associated with the object-oriented method to determine if the method generated the database call; and

if it is determined that the object-oriented method generated the database call, communicate a notification to a client associated with the system.